

Attorney Docket No. 041309/184918

DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION
(Foreign Agent Involved)

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name. I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

OPTICAL DEVICE AND DISPLAY APPARATUS

the specification of which is attached hereto unless the following box is checked:

was filed on _____ as United States Application Number or PCT International Application Number _____ and was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Claimed	
212780/1998 (Number)	Japan (Country)	28/7/1998 (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
247871/1998 (Number)	Japan (Country)	2/9/1998 (Day/Month/Year Filed)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

I hereby claim the benefits under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

(Number)

(Filing Date)

(Number)

(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C., § 112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.

(Appln. Serial No.)	(Filing Date)	(Status --patented/pending/aban.)
(Appln. Serial No.)	(Filing Date)	(Status --patented/pending/aban.)

The undersigned hereby authorizes the U.S. attorney or agent named herein to accept and follow instructions from my Japanese representatives, Tani & Abe, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorney or agent and the undersigned. In the event of a change in the persons from whom instructions may be taken, the U.S. attorney or agent named herein will be so notified by the undersigned.

I hereby appoint the practitioners associated with the Customer Number provided below to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that Customer Number:

Customer Number 000826

ADDRESS CORRESPONDENCE TO THE ATTENTION OF: Bell Seltzer Intellectual Property Law Group of ALSTON & BIRD LLP P. O. Drawer 34009 Charlotte, NC 28234	DIRECT ALL TELEPHONE CALLS TO: Tel Charlotte Office (704) 331-6000 Fax Charlotte Office (704) 334-2014
--	--

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first/sole inventor:

Inventor's Signature: Munekazu Date Date: July 14, 1999
Munekazu DATE

Residence: #105, 2-8-33, Irumagawa, Sayama-shi, Saitama 350-1305, Japan

Citizenship: Japan

Post Office Address: c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION
20-2 Nishi-shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419 Japan

Full name of second inventor:

Inventor's Signature: Shiro Suyama Date: July 14, 1999
Shiro SUYAMA

Residence: #432 3-31-10, Miyamae, Suginami-ku, Tokyo 168-0081, Japan

Citizenship: Japan

Post Office Address: c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION
20-2 Nishi-shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419 Japan

Full name of third inventor:

Inventor's Signature: Kinya Kato Date: July 14, 1999
Kinya KATO

Residence: #601, 17-5, Kobashi-machi, Kanazawa-shi, Ishikawa 920-0844, Japan

Citizenship: Japan

Post Office Address: c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION
20-2 Nishi-shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419 Japan

Full name of fourth inventor:

Inventor's Signature: Kazutake Uehira Date: July 14, 1999
Kazutake UEHIRA

Residence: 403-19, Kamiarai, Tokorozawa-shi, Saitama 359-1142, Japan

Citizenship: Japan

Post Office Address: c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION
20-2 Nishi-shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419 Japan



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
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Washington, D.C. 20231



FEBRUARY 11, 2000

PTAS

ALSTON & BIRD LLP
JAMES A. FORSTNER
P.O. DRAWER 34009
CHARLOTTE, NC 28234-4009



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Q443.2
Alston & Bird

FEB 17 2000

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

Received By *[Signature]*

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 10/25/1999

REEL/FRAME: 010369/0896
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
DATE, MUNEKAZU

DOC DATE: 07/14/1999

ASSIGNOR:
SUYAMA, SHIRO

DOC DATE: 07/14/1999

ASSIGNOR:
KATO, KINYA

DOC DATE: 07/14/1999

ASSIGNOR:
UEHIRA, KAZUTAKE

DOC DATE: 07/14/1999

ASSIGNEE:
NIPPON TELEGRAPH AND TELEPHONE
CORPORATION
3-1 OTEMACHI 2-CHOME CHIYODA-KU
TOKYO 100-8116, JAPAN

SERIAL NUMBER: 09361856
PATENT NUMBER:

FILING DATE: 07/27/1999
ISSUE DATE:

RECORDED AND INDEXED
APR 17 2000
U.S. PATENT AND TRADEMARK OFFICE



010369/0896 PAGE 2

TARA WASHINGTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

MRD 10/25/99

ASSIGN



101186592

101186592

To the Honorable Commissioner
Please record the attached original documents or copy thereof.



101186592

1. Name of conveying party(ies):

Munekazu DATE
Shiro SUYAMA
Kinya KATO
Kazutake UEHIRA

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

- Assignment
- Merger
- Security Agreement
- Change of Name
- Other _____

Execution Date: July 14, 1999

4. Application No. 09/361,856 Filed: July 27, 1999

Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: July 14, 1999

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:

James A. Forstner
ALSTON & BIRD LLP
P. O. Drawer 34009
Charlotte, NC 28234-4009

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41) \$40.00

Enclosed

Authorized to be charged to deposit account

8. Deposit account number: 16-0605

DO NOT USE THIS SPACE

9. Statement and signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Forstner, Reg. No. 24,259
Name of Person Signing

James A. Forstner
Signature

10/25/99

Date

Total number of pages including cover sheet, attachments and document: 2

10/28/1999 DNGUYEN 00000284 09361856

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ASSIGNMENT

08-10-1999

SHEET Patents Only

To the Honorable Commissioner of Patents
Please record the attached original document.

101112825

ney Dkt. No.: 041309/184918

1. Name of conveying party(ies):

Munekazu DATE
Shiro SUYAMA
Kinya KATO
Kazutake UEHIRA

2. Name and address of receiving party(ies):

Nippon Telegraph and Telephone Corporation

1C503 U.S. PRO
09/361856
07/27/99

Additional name(s) of conveying party(ies) attached? Yes No

3. Nature of conveyance:

Assignment
 Merger
 Security Agreement
 Change of Name
 Other _____

Execution Date: July 14, 1999Additional name(s) & address(es) attached? Yes No

09361856

4. Application No. [Not yet assigned - filed herewith]

Patent No. _____

If this document is being filed together with a new application, the execution date of the application is: July 14, 1999Additional numbers attached? Yes No

MPD 7-27-99

5. Name and address of party to whom correspondence concerning document should be mailed:

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ALSTON & BIRD LLP
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Charlotte, NC 28234-4009

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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

James A. Forstner, Reg. No. 24,259
Name of Person Signing

James A. Forstner
Signature

7/27/99
Date

Total number of pages including cover sheet, attachments and document: 2

ASSIGNMENT

WHEREAS:

FULL NAMES(S) AND POST
OFFICE ADDRESS(S) OF
INVENTOR(S) (including
country)

Munekazu DATE, Shiro SUYAMA, Kinya KATO and Kazutake UEHIRA,
all of c/o NIPPON TELEGRAPH AND TELEPHONE CORPORATION,
20-2 Nishi-shinjuku 3-chome, Shinjuku-ku, Tokyo 163-1419 Japan

(hereinafter referred to as ASSIGNOR), have invented and own a certain invention entitled:

TITLE OF INVENTION

OPTICAL DEVICE AND DISPLAY APPARATUS

DOCKET NO. OR SERIAL
NO. AND DATE OF
EXECUTION OF
APPLICATION

for which application for United States Letters Patent identified as

041309/184918 has been
executed on the 14th day of July, 1999, and,

FULL NAME AND
ADDRESS (including country)
OF ASSIGNEE

WHEREAS: NIPPON TELEGRAPH AND TELEPHONE CORPORATION

3-1 Otemachi 2-chome, Chiyoda-ku, Tokyo 100-8116, Japan

(hereinafter referred to as "ASSIGNEE"), has equitable rights in and to this invention and
desires to confirm such rights and to acquire all right, title and interest in and to this
invention, including any and all United States Letters Patent or similar legal protection to be
obtained therefor.

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) and other good and
valuable consideration, the receipt and sufficiency of which is hereby acknowledged,
ASSIGNOR hereby sells, assigns, and transfers to said ASSIGNEE, its successors and
assigns, all right, title and interest in and to said invention, including any and all United
States Letters Patent which may be granted therefor and any and all extensions,
continuations, divisions, renewals, substitutes or reissues thereof, and the right to all benefits
under the International Convention for the Protection of Industrial Property.

ASSIGNOR hereby covenants that no assignment, sale, agreement or encumbrance has been
or will be made or entered into which would conflict with this assignment and sale.

ASSIGNOR further covenants and agrees, upon request, to execute any instrument which
said ASSIGNEE desires to carry this assignment in effect, and perfect the title transferred
hereby, or to file or prosecute any of the above-mentioned United States applications.

And the Commissioner of Patents of the United States is hereby authorized to issue Letters
Patent on said above-named application and on any continuation, substitute or division
thereof to said ASSIGNEE.

DATE OF SIGNING

IN TESTIMONY WHEREOF, I/We have hereunto set hand and seal on
July 14, 1999.

SIGNATURE(S)
The signature(s) must
correspond with the name(s) of
the inventor(s) above.

Witnesses:

Hisashi Okamoto
Hisashi OKAMOTO

ASSIGNOR:

Munekazu Date
Munekazu DATE
Shiro Suyama
Shiro SUYAMA
Kinya Kato
Kinya KATO
Kazutake Uehira
Kazutake UEHIRA